

AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF THE CLAIMS

1.-24. (Canceled)

25.-33.(Withdrawn)

34. (New) A system for interfacing peripheral hardware devices with a controller comprising:

a services layer comprised of instruction sets for performing tasks;

a common device model agent (CDMA) comprised of:

a device independent services environment for executing software to perform services at run time on a peripheral hardware device;

a device model agent (DMA) software written in a platform independent language and embedded within a device which enables a user to select services to be run on peripheral hardware devices and also provides security, the DMA comprised of:

a service manager which loads software to be executed, maintains lists of currently installed services, and manages the lifecycle of services, wherein lifecycle includes add, delete, modify, customize, synchronize, and register software services;

and,

a common provider applications programming interface (API) which communicates device configurations, device status, and supply levels between the peripheral hardware devices and Service Manager,

at least one provider application programming interface (API) to provide the software specific functions, procedures and methods; and,

at least one peripheral hardware device which performs functions in response to the execution of the software.

35. (New) The system defined in claim 34, wherein said CDMA further comprises a common information model application programming interface (CIMAPI) that visually represents commonly used data and application methods.

36. (New) The system defined in claim 34, wherein said DMA further comprises a common interface model object manager (CIMOM).

37. (New) The system defined in claim 34, wherein the instruction sets for performing tasks includes printing.

38. (New) The system defined in claim 34, wherein the instruction sets for performing a task includes instruction sets for a remote monitoring service.

39. (New) The system defined in claim 34, wherein the instruction sets include instruction sets for supplies replenishment.

40. (New) A system for interfacing peripheral hardware devices with a controller comprising:

- a services layer comprised of instruction sets for performing tasks;

- a common device model agent (CDMA) comprised of:

- a device independent services environment for executing software to perform services at run time on a peripheral hardware device;

- a common information model application programming interface (CIMAPI) that visually represents commonly used data and application methods;

- a device model agent (DMA) software written in a platform independent language and embedded within a device which enables a user to select services to be run on peripheral hardware devices and also provides security, the DMA comprised of:

- a common interface model object manager (CIMOM); and,

- a service manager which loads software to be executed, maintains lists of currently installed services, and manages the lifecycle of services, wherein

lifecycle includes add, delete, modify, customize, synchronize, and register software services;

and,

a common provider applications programming interface (API) which communicates device configurations, device status, and supply levels between the peripheral hardware devices and both the CIMOM and Service Manager,

at least one provider application programming interface (API) to provide the software specific functions, procedures and methods; and,

at least one peripheral hardware device which performs functions in response to the execution of the software.

41. (New) The system defined in claim 40, wherein the instruction sets for performing tasks includes instruction sets for printing.

42. (New) A method for interfacing peripheral hardware devices with a controller comprising:

providing a services layer comprised of instruction sets for performing tasks;

providing a common device model agent (CDMA) comprised of:

a device independent services environment for executing software to perform services at run time on a peripheral hardware device;

a device model agent (DMA) software written in a platform independent language and embedded within a device which enables a user to select services to be run on peripheral hardware devices and also provides security, the DMA comprised of:

a service manager which loads software to be executed, maintains lists of currently installed services, and manages the lifecycle of services, wherein lifecycle includes add, delete, modify, customize, synchronize, and register software services;

and,

a common provider applications programming interface (API) which communicates device configurations, device status, and supply levels between the peripheral hardware devices and Service Manager,

providing at least one provider application programming interface (API) to provide the software specific functions, procedures and methods; and,

providing at least one peripheral hardware device which performs functions in response to the execution of the software.

43. (New) The method defined in claim 28, wherein the step of providing a CDMA includes providing a CDMA further comprising a common information model application programming interface (CIMAPI) that visually represents commonly used data and application methods.

44. (New) The method defined in claim 38, wherein the step of providing a DMA includes providing a DMA further comprised of a common interface model object manager (CIMOM).

45. (New) The method defined in claim 42, wherein the step of providing instruction sets for performing a task includes providing instruction sets for printing.